

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-013134**Date Inspected:** 29-Mar-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:****CWI Present:****Yes No****Inspected CWI report:** **Yes No N/A****Rod Oven in Use:** **Yes No N/A****Electrode to specification:** **Yes No N/A****Weld Procedures Followed:** **Yes No N/A****Qualified Welders:** **Yes No N/A****Verified Joint Fit-up:** **Yes No N/A****Approved Drawings:** **Yes No N/A****Approved WPS:** **Yes No N/A****Delayed / Cancelled:** **Yes No N/A****Bridge No:** 34-0006**Component:** OBG Trial Assembly**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, S. Manjunath Math was present during the time noted above for observations relative to the work being performed.

This QA Inspector randomly observed the following work in progress:

Orthotropic Box Girder (OBG) Trial Assembly Areas

Segment 5BE (Punch List)

The QA inspector performed inspection on ZPMC Ship No. 17 against the punch list item 271 for Installation of Cable Tray Support Installation at various locations. It was observed that between Panel Point (PP) 32 and PP 33 the Cable Tray Supports were not installed due to interference with Temporary Sea Fasteners and kept on Bottom Panel T-Ribs for further installation at site.

Report forwarded to team leader for further action. Please refer the attached pictures for more comprehensive details.

Segment 6AW (Punch List)

The QA inspector performed inspection on ZPMC Ship No. 17 against the punch list item 517, for Lower Counter Weight connection plate at 6AW field splice during loading on Ship got damaged for the same took pictures and

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forwarded to the Engineer for further action and to put it in Category D (to fixed at Site).

Report forwarded to Team Leader and Engineer for further action. Please refer the attached pictures for more comprehensive details.

### Voyage 2nd Shipment

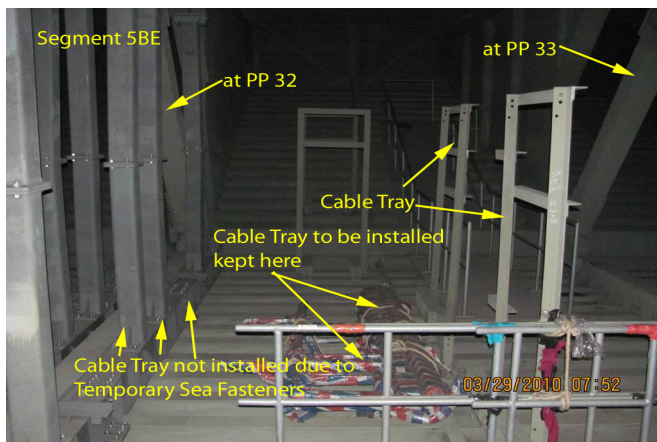
The QA inspector was involved in taking pictures while ZPMC Ship # 17 departed from ZPMC Port to Bay Area, USA. Ship was carrying Lift 5 East and West, Lift 6 East and West, Cross Beam 4, 5 and 6, Counter Weights, Cantilevers, Suspender Brackets and ASTM A 325 Bolts various buckets. Pictures were submitted to Engineer for further action.

Report forwarded to team leader for further action. Please refer the attached pictures for more comprehensive details.

### Traveler Rail Dimension

The QA inspector measured and recorded the various dimensions for Traveler Rail with identification number as 10TR6 -001 at the Fixed Support and Sliding Support. Report forwarded to Team Leader and Engineer for further action.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

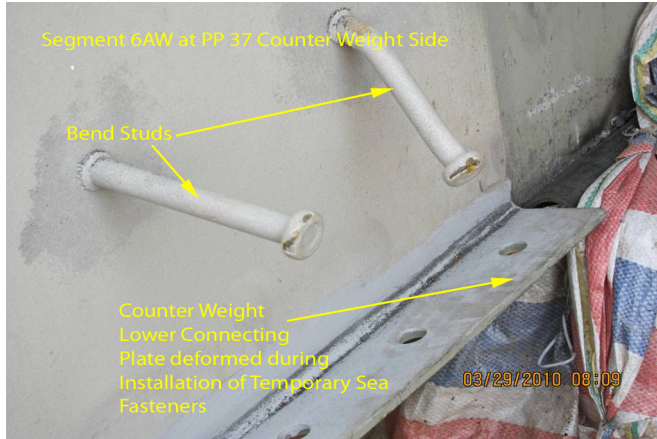


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### Summary of Conversations:

No relevant conversations.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric T Sang 1500-0042-2372, who represents the Office of Structural Materials for your project.

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**Inspected By:** Math,Manjunath

Quality Assurance Inspector

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**Reviewed By:** Miller,Mark

QA Reviewer